

## Abstract

In a moving body satellite communication apparatus for performing communication with a satellite by an antenna with a radome mounted on a moving body such as an aircraft, loss due to transmission through the radome, and distortion of polarization characteristics are compensated in the inside of the antenna. Variable phase shifters 9a and 9b and variable attenuators 19a and 19b, and variable phase shifters 10a and 10b and variable attenuators 20a and 20b are respectively controlled as one body in each channel, and the whole power EIRP radiated from the antenna is also optimally controlled by a common variable attenuator 21 inserted independently from the variable attenuators 19a and 19b, and therefore, radome correction and EIRP control can be simultaneously realized by a relatively simple circuit.